



Biobased solutions for papermaking

06.12. - 07.12.2022



Tuesday, 06.12.2022

10:00	Welcome and introduction
10:15	Bioeconomy, circularity, climate neutrality – what else is coming and how should it work? <i>Prof. Dr. Frank Miletzky, FM Innovation</i>
10:45	The potential of sustainable papermaking <i>Dr. Lada Bemert, Voith Paper</i>
11:15	Cellulosic fibres and challenges in product development for flexible packaging <i>Dr. Tiemo Arndt, Reflex GmbH & Co. KG</i>
11:45	Discussion
12:00	Lunch Break
13:00	Functional Biopolymers – Microencapsulation <i>Juta Rottke, Fraunhofer IAP</i>
13:30	Biobased Wet-Strength Agents based on Dialdehyde Cellulose <i>Gerrit Schaper, Papiertechnische Stiftung (PTS)</i>
14:00	Sustainable deposit control for carefree water cycles in the paper industry. <i>Lionel Pomade, Servophil AG</i>
14:30	Discussion
14:45	Break
15:45	Hybrid materials - a unique class of materials for surface finishing and functionalization <i>Dr. Ferdinand Somorowsky, Fraunhofer ISC</i>
16:15	Opportunities and challenges in the design of bio-based barrier coatings for paper - an insight into current research activities <i>Dr. Jennifer Daeg, Papiertechnische Stiftung (PTS)</i>
16:45	Discussion

Wednesday, 07.12.2022

09:00	Welcome and introduction
09:15	Packaging films and paper coatings based on alginate <i>Annekathrin Grüneberg, Mujo</i>
09:45	Starch Application in Curtain Coating <i>Dr. Diego Fort, Peter Leonhardt, Dr. Andreas Becker, Cargill</i>
10:15	SUPD compliant grease and oil barrier – Biolay <i>Dr. Alexander Riefert, CHT Germany GmbH</i>
10:45	Short Break
11:00	Designing for end of life: accounting for the realities of packaging waste leakage <i>Mara Jensen, One.Five</i>
11:30	Paper modification by Plasma-enhanced chemical vapor deposition. - The potential of biogenic precursors. <i>Dr. Andreas Geißler, Technische Universität Darmstadt</i>
12:00	Discussion
12:30	Lunch Break
13:30	Laser mediated fusing of paper materials <i>Florian Lull, Fraunhofer IWS</i>
14:00	Starch based hotmelt adhesives as biobased alternatives to conventional systems <i>Birgit Kießler, Dr. Alexander Feldner, Papiertechnische Stiftung (PTS)</i>
14:30	Collagen – a versatile protein with potential applications in papermaking <i>Dr. Enno Klüver, FILK Freiberg Institute</i>
14:45	Discussion



Information



Date

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Chairs

Dr. Martin Zahel
Dr. Marcel Haft



Location

Institut für Holztechnologie (IHD)
Zellescher Weg 24
01217 Dresden



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